SANbox Manager
Release Notes
Version 1.04.41

50208-09 Rev A

Version 1.04.41 is a feature release of the QLogic SANbox^{TM} Manager Fabric Management Application.

Supported Firmware Versions

SANbox2 firmware version 1.3 or greater, or SANbox 1Gb switch firmware 4.01 or greater, must be used in conjunction with SANbox Manager 1.04.41 and SANsurfer Fabric View.

SANbox Manager does not support the legacy T_Port mode and therefore does not interface with MKII switches or SANbox 1Gb switches in T_Port mode. SANsurfer Fabric View does not support SANbox 1Gb switches, and must be used only in conjunction with SANbox2 switches.

Important Note

The SANbox2 1.5 release, planned for Q103 release, will be the final release to support SANbox 1G switch connectivity to the SANbox2. Therefore, the SANbox Manager 1.05 release will be the final release to support the SANbox 1Gb switch.

Features in this Release

Version 1.04.41 provides the following features:
- **SANbox2-64 Support** – Full platform support for the SANbox2-64 switch.
- **SANsurfer Fabric View** - Traffic, errors, etc. can be monitored in real time on a per port basis.
  - Set graph polling interval - User settable update rate for how often to poll.
  - Can graph bytes or frames.
  - Can change bytes/frame legend and background colors.
- **TL Passport** –
  - allows TL initiators to see each other within the same zone; enables initiator to initiator communication.
  - allows for domain/port members for zones that contain private devices.
  - allows for zones to contain both public and private members.
- **Remove "Brocade Mode"** - Only active zone sets will be propagated as per the FC-SW2 specification.

Platform requirements

Host OS	Windows NT, Windows 95/98, Windows 2000, Linux (RedHat 6.2), Solaris 2.8
Memory	128MB
Disk Space	150MB per installation
Processor	300MHz

Patch Requirements

This version of SANbox Manager uses, and includes, Java 2 JRE Standard Edition (J2SE) v1.4.0. The SUN site below references patches that are required to be installed on your Solaris system in order to work with this version.
http://java.sun.com/j2se/1.4/install-solaris-patches.html

Documentation

Installation, setup and management of the SANbox2 switch are described in the following manuals. These manuals are available on the SANbox2 distribution CD.

- SANbox2-64 Fibre Channel Switch Installation Guide, 59043-00 A
- SANBox2-64 Switch Management User's Guide 59048-00 A
- SANbox2-8c Fibre Channel Switch Installation Guide 59042-01 A
- SANbox2-16 Fibre Channel Switch Installation Guide 59021-04 B
- SANbox2-8c/16 Switch Management User's Guide 59022-04 B

Installation, setup and management of the SANbox 1Gb switch, running 4.02 firmware with E_Port, are described in the following manuals. These manuals are available only through QLogic Technical Support.

- SANbox-8 with E_Ports Fibre Channel Switch Installation Guide 59030-01 A
- SANbox-16STD with E_Ports Fibre Channel Switch Installation Guide 59031-01 A
- SANbox-16STD with E_Ports Fibre Channel Switch Installation Guide 59032-01 A
- SANbox-8/16 with E_Ports Switch Management User's Guide 59033-01 A

Issues Corrected in this Version

Problem ID	Symptom
4321	The uninstall script is located in the UninstallerData subdirectory instead of the main installation directory.
4324	If installing on a UNIX platform as root, you cannot install in the home directory.
4392	After the installation is complete, the installer may tell the user to click "Done" to quit the installer when the user really must click "Next" and then "Done".
4466	On the "Install Complete" screen, if the user selects the "Previous" button, all other buttons become inactive and the user is forced to make an un-graceful exit. Note that at this point, the GUI has already been installed.
4467	When exiting the Installer, an "Install Not Complete" message is received that states ["...To cancel Install select "Quit"" and "...If you exit, the SANbox Manager will not be installed."] The installation is not cancelled and the SANbox Manager remains installed even if the "Quit" button is selected.
4328	If you make a change, for example changing port state, that change may not be instantaneous and no wait message or other indication is given.
4417	The "Load Firmware" and "Edit Zoning" dialog boxes can become hidden behind the main window and give the appearance that the GUI is hung.
4562	The port loopback test times out occasionally on a multi-processor system.
4692	When changing DomainID to a value greater than 31, a warning message is presented telling you that the DomainID is invalid but the operation is allowed.
4763	On Windows based PCs, on occasion the GUI will abort when entering the faceplate display. Restarting the GUI will correct this problem. This bug is caused by Sun Bug IDs: 4482430, 4500800 and 4523926.
4764	If an ISL goes down between a SANbox2 and McData switch, the ISL state is sometimes not reflected until you click on Refresh.
4765	If "set switch state" is used in CLIsh to set the switch offline, the GUI does not recognize this state. This is because "set switch state" in CLIsh is a temporary setting. The GUI reflects the permanent setting set by "set config switch".
4774	With a mixed SANbox 1Gb and SANbox2 switch configuration, if you add a fabric to SANbox Manager by entering the IP address of a SANbox 1Gb switch, there are intermittent performance problems. This is noticed by occasional short delays in processing requests and/or the switches not responding (blue status icons) for a few seconds.
4791	When running offline/online tests on E_Ports, the GUI will occasionally show a port as offline when it is actually online and operational. A workaround is to do a fabric refresh. The correct port states will then show up.
4818	The GUI may lock up during fabric rediscovery after doing zone deletion, creation, and merging. The GUI will repaint the screen and return to normal operation, but this may take several minutes.

Known Functionality Issues

Problem ID	Symptom
3743	Negative Baseline port values may result due to switch and/or port resets occurring after baseline values have been cleared.
4250	When scrolling through the Trap log, the refresh of the window places the scroll position at the bottom of the window. The workaround is to export the trap log and view with an editor.
4338	SANbox Manager disappears unexpectedly, leaving behind a core file in the install directory. This is caused by Sun Bug ID: 4641535 "JDK 1.4 Solaris: memory leak when remote displaying". The workaround is to define the environment variable J2DFONTSCALER=t2k before running the GUI: #export J2DFONTSCALER=t2k #SANbox_Manager
4340	After running for approximately 18 hours, SANbox Manager had an out of memory exception error. This is caused by Sun Bug ID: 4641535 "JDK 1.4 Solaris: memory leak when remote displaying". The workaround is to define the environment variable J2DFONTSCALER=t2k before running the GUI: #export J2DFONTSCALER=t2k #SANbox_Manager
4411	When launching SANbox Manager, you may receive an error regarding your font settings. For example, "Cannot convert string monotype arial regular ..." This is a configuration issue with X-windows and does not affect the functionality of the GUI. The font path of the machine whose X-server is displaying the application needs to have a directory which either has the specified font (Arial) or a font alias to re-map it to another font. For example, you might add the /usr/openwin/lib/X11/TrueType directory to the font path on the machine that is displaying SANbox Manager (not the machine on which the application is executing). This can be done using the sdtfontadm utility, and must be done as root.
4533	Drag and drop from Zoning dialog to application window hangs the GUI. This is caused by Sun Bug IDs: 4633417 and 4623377.
5478	Performing a "restore" and then selecting "browse" sometimes results in no files being displayed in the working directory. To work around this problem, find the appropriate archive file(s) and type them in manually.
5900	In certain cases, when the switch cannot respond to the application because of resource limitations, the application will mistakenly present an error dialog saying "Max sessions has been reached, continue loading?". The condition is transient and does not affect the performance of the application or of the switch. When this bug occurs, the necessary workaround to get the graphs displayed properly again, regardless of how you answer the question, is to redisplay the fabric and graphs.

5902	In SANsurfer Fabric View, if traffic increases to where the Total Kbytes/sec scale increases, when the traffic decreases it is difficult to see the traffic on the graph due to this scale being readjusted. By removing and redisplaying the graphs, the scale is adjusted correctly.
5912	Open two of the same fabrics with different entry switches and change the IP address of one entry switch in the other fabric. The fabric whose IP address was changed goes blue, as expected. However, if you change the IP address back to the original value, the fabric remains blue and if you choose Rediscover Fabric, a message is output indicating " discovery failed because of no response from the entry switch". If you close the fabric and reopen it, the problem goes away.
5918	Depending on network and switch traffic, loading maximum zone information may take 10-15 minutes to complete.
5936	With focus set in the fabric tree, hitting the <space> key will deselect the fabric resulting in the fabric disappearing from the topology display. Hitting the <space> key again will select the fabric and it will once again be displayed.
	When running from a remote login, the font size used for the text in the Help file is too small to read. 　　　This is just an X Window font config issue. 　　　Edit (or create) a .Xdefaults file in your home dir (/ for root) and put the 　　　following lines in it: 　　　　　Netscape*documentFonts.xResolution*iso-8859-1: 100 　　　　　Netscape*documentFonts.yResolution*iso-8859-1: 100 While the above changes may provide a solution, in some cases it may not. In such cases, the user may also be able to resolve the small font size by modifying the font preferences in Netscape to be "Use my default fonts, overriding document specified fonts."

Support
Please feel free to contact your QLogic approved reseller or QLogic Technical Support at any phase of integration for assistance. QLogic Technical Support can be reached by the following methods:

Web: http://support.qlogic.com
Email: support@qlogic.com
Phone: (952) 932-4040